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Technically
Speaking

CEDARLANE[®] 
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Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Anti-Rat NK Cells (NKR-P1)
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL055AP	Purified	250ug	1.0 mg/ml	CLCMG100
CL055AP-2	Purified	500ug	1.0 mg/ml	CLCMG100
CL055NA	Purified	1.0mg	1.0 mg/ml	CLCMG100
CL055B	Biotin	100ug	0.1 mg/ml	CLCMG115
CL055B-5	Biotin	500ug	0.1 mg/ml	CLCMG115
CL055F	FITC	100ug	0.1mg/ml	CLCMG101
CL055F-5	FITC	500 ug	0.1mg/ml	CLCMG101
CL055PE	PE	50 ug	0.1mg/ml	CLCMG104
CL055PE-4	PE	200 ug	0.1mg/ml	CLCMG104
CL055AF4	Alexa Fluor [®] 488	100 µg	0.1 mg/ml	N/A

Alexa Fluor[®] is a registered trademark of Life Technologies Corporation.

Isotype: Mouse IgG₁

DESCRIPTION:

Cedarlane's anti-rat NK cell monoclonal antibody recognizes a 60 kDa disulfide linked homodimer known as NKR-P1. This type II transmembrane glycoprotein is found on rat NK cells and large granular lymphocytes.

This antibody is suitable for flow cytometry. It is also reported to work with frozen sections.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

Biotin, FITC, PE and AF488: Biotin/FITC/PE/AF488 conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

No Azide: Purified Ig buffered in PBS, no preservative, 0.2µm sterile filtered.

STORAGE/STABILITY:

For all formats, store at 4°C. DO NOT FREEZE **PE and AF488** conjugates. For long term storage (**Purified, Biotin, FITC, No Azide**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

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registered company.

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SPECIFICATIONS:

Clone: 10-78

Immunogen: Purified splenic NK cells from the LEW rat strain.

Specificity: Rat NK cells (NKR-P1)

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

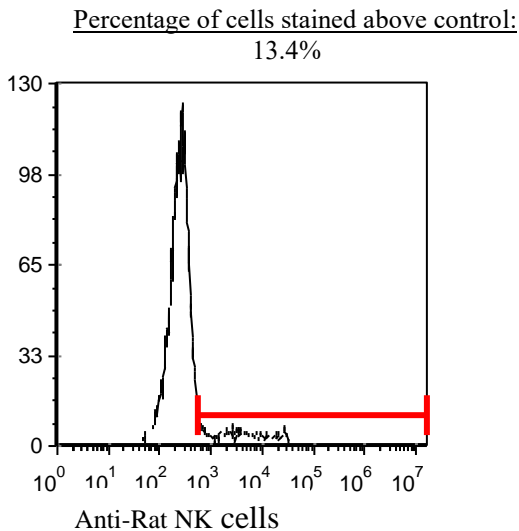
Rat Strain: Fischer

Cell Concentration: 1×10^6 cells per test

Antibody Concentration Used: $0.5 \mu\text{g}/10^6$ cells

Cell Source

Splenic T Cells*



*(T cells isolated with CL102 - Cedarlane's Rat T Cell Recovery Column Kit)

N.B. Appropriate control samples should always be included in any labeling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. Chambers, William H., *et al.* (1989). Monoclonal antibody to a triggering structure expressed on rat natural killer cells and adherent lymphokine-activated killer cells. *J. Exp. Med.* **169**:1373-1389.
2. Ryan, J.C., *et al.* (1991). NKR-P1, an activating molecule on rat natural killer cells, stimulates phosphoinositide turnover and a rise in intracellular calcium. *J. Immunol.* **147**:3244-3250 (no. 9).
3. Scriba, A., *et al.* (1998). Phenotype of rat monocytes during acute kidney allograft rejection: increased expression of NKR-P1 and reduction of CD43. *Scand.J.Immunol.* **47**:332-342.
4. Josien, R., *et al.* (1997). Rat spleen dendritic cells express natural killer cell receptor protein 1 (NKR-P1) and have cytotoxic activity to select targets via a Ca^{2+} -dependent mechanism. *J. Exp. Med.* **186**:467-472.
5. Scriba, A., *et al.* (1997). Rat monocytes up-regulate NKR-P1A and down-modulate CD4 and CD43 during activation in vivo: monocyte subpopulations in normal and IFN- γ -treated rats. *J. Leuko. Bio.* **62**:741-751.
6. Na, H., *et al.* (1992). Distribution of lymphocyte subsets in rat milk from normal and *Trichinella spiralis*-infected rats. *J. Repro. Immuno.* **22**:269-279.
7. Giorda, R., *et al.* (1990). NKR-P1, a signal transduction molecule on natural killer cells. *Science.* **249**:1298-1300.
8. Vaage, J.T., *et al.* (1991). Allospecific recognition of hemic cells *in vitro* by natural killer cells from athymic rats: evidence that allodeterminants coded for by single major histocompatibility complex haplotypes are recognized. *Eur. J. Immunol.* **21**:2167-2175.
9. Chambers, W.H., *et al.* (1992). Functional heterogeneity between NKR-P1^{bright}/*Lycopersicon esculentum lectin* (L.E.)^{bright} and NKR-P1^{bright}/L.E.^{dim} subpopulations of rat natural killer cells. *J. Immunol.* **148**:3658-3665 (no. 11).

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